



STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION

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MEMORANDUM TO: Project Engineers
Project Design Engineers

FROM: G. R. Perfetti, P. E.
State Bridge Design Engineer

DATE: October 14, 2005

SUBJECT: STEEL PIPE PILES

Four new standard drawings have been developed for steel pipe piles and are available for immediate use. The new pipe pile standards will allow the Geotechnical Unit additional flexibility in developing Foundation Recommendations. Use of all pipe piles will continue to follow the guidelines outlined in the Policy Memorandum dated February 12, 2001.

In order to accommodate the new standards, the existing SPP1(SM) has been renamed to SPP3(SM). Below is the complete list of pipe pile standard drawings.

- SPP1(SM) - 14" Steel Pipe Pile, (356 mm Steel Pipe Pile)
- SPP2(SM) - 16" Steel Pipe Pile, (406 mm Steel Pipe Pile)
- SPP3(SM) - 18" Steel Pipe Pile, (457 mm Steel Pipe Pile)
- SPP4(SM) - 24" Steel Pipe Pile, (610 mm Steel Pipe Pile)
- SPP5(SM) - 30" Steel Pipe Pile, (762 mm Steel Pipe Pile)

In addition, Design Manual [Figure 7-21\(metric\)](#) has been updated to include all pile sizes, and to increase the number of 'B' bars over the piles for the larger size piles.

Figure 7-21 and the new standard drawings are available on both the network drive and via the Structure Design Homepage. Please download and print copies to be incorporated into your copy of the Structure Standards and Metric Structure Standards books. The Design Manual and NCBDS will be revised at a later date.

GRP/GM/snj

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